

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Kyoko MIURA et al.

Title: N-ACETYLGLUCOSAMINE DERIVATIVE AND ITS APPLICATION

Appl. No.: 10/531,176

International 7/25/2003

Filing Date:

371(c) Date: 4/11/2005

Examiner: BLAND, LAYLA D

Art Unit: 1609

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

Documents A1 and A2 listed on the attached PTO/SB/08 are in English and were cited in a Chinese Office Action issued in a counterpart Chinese application on October 13, 2006. According to an English translation of the Chinese Office Action obtained by Applicants' representative, the Chinese Patent Office made certain characterizations of the references. A copy of the Chinese Office Action and the English-language translation thereof is attached. As noted, the characterizations of the Chinese Patent Office noted above are based on an English translation obtained by Applicants' representative. The disclosure of these characterizations should not be construed as an admission of or agreement with the opinions expressed in the Chinese Office Action.

Copies of U.S. Patent No. 5,696,246 and JP Patent No. 62-36306 cited in the Chinese Office Action are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified application on April 11, 2005.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicants believe that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date: May 14, 2007

By Richard L. Schwaab

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: May 14, 2007

(use as many sheets as necessary)

Sheet

1

of

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**Complete if Known**

Application Number	10/531,176
Filing Date	7/25/2003
First Named Inventor	Kyoko MIURA
Art Unit	1609
Examiner Name	BLAND, LAYLA D

Attorney Docket Number

016912-0211

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A1	GIOVANNI NICOLOSI ET AL., "Enzymatic procedure catalysed by lipase from Candida Antarctica for the regioprotection – deprotection of glucosamine", Tetrahedron: Asymmetry 10 (1999), pgs. 2891-2897	
	A2	JON K. FAIRWEATHER ET AL., "The Asymmetric dihydroxylation of Some Alkenyl 2-Acetylaminoo-2-deoxy- $\beta$ -D-glucopyranosides: the Preparation of Optically Pure Epoxides as Putative Inhibitors of Chitinases", Aust. J. Chem. (1998), Vol. 51 No. 6, pgs. 471-482	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.